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In re Application of

Bursley

Application Number

07/439,093

Filed

11/17/89

Paper No.

72

I hereby request access under 37 CFR 1.14(a)(1)(iv) to the application file record of the above-identified ABANDONED application, which is identified in, or to which a benefit is claimed, in the following document (as shown in the attachment):

United States Patent Application Publication No. _____, page, _____ line _____

United States Patent Number 5,168,500, column _____, line, _____ or

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Approved by:

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United States Patent [19]
Barclay

[11] Patent Number: 5,688,500
[45] Date of Patent: Nov. 18, 1997

[54] METHOD OF AQUACULTURE COMPRISING
FEEDING MICROFLORA HAVING A SMALL
CELL AGGREGATE SIZE

[75] Inventor: William R. Barclay, Boulder, Colo.

[73] Assignee: OmegaTech Inc., Boulder, Colo.

[21] Appl. No.: 461,137

[22] Filed: Jun. 5, 1995

Related U.S. Application Data

[62] Division of Ser. No. 292,490, Aug. 18, 1994, Pat. No. 5,518,918, which is a division of Ser. No. 962,522, Oct. 16, 1992, Pat. No. 5,340,742, which is a continuation-in-part of Ser. No. 911,760, Jul. 10, 1992, Pat. No. 5,340,594, which is a division of Ser. No. 580,778, Sep. 11, 1990, Pat. No. 5,130,242, which is a continuation-in-part of Ser. No. 439,093, Nov. 17, 1989, abandoned, which is a continuation-in-part of Ser. No. 241,410, Sep. 7, 1988, abandoned.

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C12N 1/00

[52] U.S. Cl. 424/93.1; 426/53; 426/54;
426/601; 426/608; 426/641; 426/649; 435/134;
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[58] Field of Search 426/53, 54, 601,
426/608, 615, 635, 641, 649; 424/93.1;
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Primary Examiner—John W. Rollins

Assistant Examiner—Deborah K. Ware

Attorney, Agent, or Firm—Sheridan Ross P.C.

[57] ABSTRACT

Disclosed is a process for growing the microflora Thraustochytrium, Schizochytrium, and mixtures thereof, which includes the growing of the microflora in fermentation medium containing non-chloride containing sodium salts, in particular sodium sulfate. In a preferred embodiment of the present invention, the process produces microflora having a cell aggregate size useful for the production of food products for use in aquaculture. Further disclosed is a food product which includes Thraustochytrium, Schizochytrium, and mixtures thereof, and a component selected from flaxseed, rapeseed, soybean and avocado meal. Such a food product includes a balance of long chain and short chain omega-3 highly unsaturated fatty acids.

8 Claims, 8 Drawing Sheets